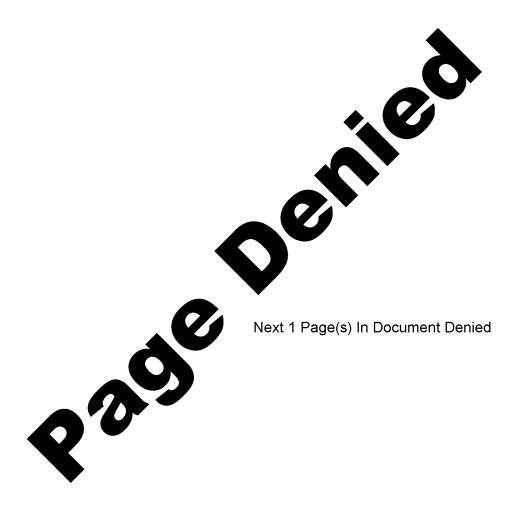


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	MEMORANDUM FOR:	Executive Secretary	
25 X 1	FROM:	Director of Security	25 X
25 X 1	SUBJECT:	Proposed Secure Video Teleconforcing System (SVTS) Concept of Operations	
	REFERENCE:	Memo fm NSA dtd 25 Oct 88, Same Subj, ER 88-4040X	
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	\			ER 88-4040/1
Chief, CIA Operations Cer	nter			DATE 4 November 1988
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Gorate of intelligence Declassified in Part - Sanitized Copy Approved for Release 2012/05/14 : CIA-RDP97M00248R000500060003-7 4 November 1988 NOTE FOR: DDI STAT FROM: 25X1 Chier, CIA Operations Center SUBJECT: Proposed Secure Video Teleconferencing System (SVTS) Concept of Operations As a member of both the Crisis Management Working Group (CMWG) and the Operations Center Sub-Group, we participated in the preparation of the concept of operations for the Secure Video Teleconferencing System (SVTS). the Community's first formal document establishing authorities, responsibilities, and procedures for SVTS. My reply was coordinated with the NIO/Warning, a member of the CMWG. STAT 25X1

Central Intelligence Agency



Washington, D. C. 20505

7 November 1988 25X1 MEMORANDUM FOR: Executive Secretary National Security Council **SUBJECT:** Proposed Secure Video Teleconferencing System 25X1 (SVTS) Concept of Operations REFERENCE: Your Memo dtd. 25 October 1988, Same Subject 1. CIA generally agrees with the draft SVTS Concept of 25X1 Operations, dated 20 October 1988. We are particularly pleased with the rewrite of paragraph 5b on page 5, which now clearly and correctly defines the system as a telecommunications tool and which as stated provides for maximum user convenience and operational effectiveness. We expect, however, that as external porting becomes more prevalent, the CMWG will be 25X1 asked to review this issue. 3. As concerns paragraph 3f. We agree that each node should maintain a comprehensive log of its conferences, but believe the SVTS project office, as a result of the Hub scheduling activities covered in paragraph 3d, will be able to provide a consolidated record of use. Moreover, we do not believe providing the names of individuals is necessary to determine system use. 25X1 25X1 Executive Secretary

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MEMORANDUM FOR: Our

Please and Office of Security

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Ops Center is preparing

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Date

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CONTROL NO._____

CROSS REF:_____

PRIOR PAPERS ON THIS SUBJECT: NY YES
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OTHER COMMENTS:_____

EXECUTIVE REGISTRY FILE NO._____

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Remarks To 5: Chief, Operations Center is preparing comments for transmittal by ES. (NIO/W and Chm/IHC also tasked for response--see NSC addressee list.)

STAT

ER 88-4040X

Executive Secretary

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NATIONAL SECURITY COUNCIL WASHINGTON, D.C. 20506

ER 88-4040X

October 25, 1988

MEMORANDUM FOR DISTRIBUTION

SUBJECT:

Proposed Secure Video Teleconferencing System

(SVTS) Concept of Operations (U)

A proposed Secure Video Teleconferencing System (SVTS) Concept of Operations is attached at Tab B for your review and concurrence. (U)

This document is the product of interagency discussions within the Crisis Management Working Group (CMWG) (current membership at Tab C). The focus and emphasis of the proposed concept of operations is the result of inputs from the CMWG's Operations Center Subgroup membership. (S)

We would appreciate your concurrence and and comments on the attached draft by November 7, 1988. (U)

Paul Schott Stevens Executive Secretary

Attachments

Tab A List of Addressees

Tab B Draft Secure Video Teleconferencing System (SVTS)

Concept of Operations

Tab C Current CMWG Membership

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MR. DONALD GREGG
Assistant to the Vice President
for National Security Affairs

MR. MELVYN LEVITSKY Executive Secretary Department of State

MS. JENNIFER A. SOUR
Executive Secretary
Department of Treasury

COL GEORGE P. COLE, JR. Executive Secretary Department of Defense

MR. ROBIN ROSS Chief of Staff Department of Justice

STAT

MS. RUTH KNOUSE
Director,
Executive Secretariat
Department of Transportation

MS. DENISE A. HOWE
Manager, Administrative Staff
Federal Aviation Administration

MR. WILLIAM V. VITALE Executive Secretary Department of Energy

STAT

MR. L. WAYNE ARNY, III
Associate Director for
National Security and
International Affairs
Office of Management and Budget

STAT

Executive Secretary
Central Intelligence Agency

COL E. R. CARWISE Chief of Staff Defense Communications Agency

COL RICHARD E. TREDINNICK Program Manager, SVTS Defense Communications Agency COL WILLIAM V. BOGART Commander, White House Communications Agency

CAPT ANTHONY MANESS
Executive to the Chairman
Joint Chiefs of Staff

MR. JONATHAN F. THOMPSON Executive Director Office of Science and Technology Policy

MR. JAMES GEER
Assistant Director of the
Intelligence Division
Federal Bureau of Investigation

MR. WILLIAM C. TIDBALL
Chief of Staff
Federal Emergency Management
Agency

Chief of Staff National Security Agency

COL CHARLES C. KRULAK
Deputy Director
White House Military Office

LTG JOHN T. MEYERS Manager National Communications System

Deputy Director for JCS Support Defense Intelligence Agency

Chairman, Intelligence Handling Committee Intelligence Community Staff

COL KENNETH E. BAKER
Assistant Director for
Mobilization Plans
Defense Mobilization Systems
Planning Activity

MR. CHARLES E. ALLEN
National Intelligence Officer
for Warning
Central Intelligence Agency

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В

DRAFT SECURE VIDEO TELECONFERENCING SYSTEM (SVTS) CONCEPT OF OPERATIONS (U)

October 20, 1988 Version

Drafted by the
Crisis Management Working Group's
Operations Center Subgroup

Classified by: NSC Staff Declassify on: OADR

SECURE VIDEO TELECONFERENCING SYSTEM (SVTS) CONCEPT OF OPERATIONS (U)

- 1. SVTS Mission Description. The purpose of the SVTS is to provide a secure video conferencing and information exchange system for government officials involved in the national security policy process. The system is primarily designed for use during international crises or domestic emergencies as a part of the National Security Information & Situation Management System (NSI&SMS). As such, the SVTS is one of a number of secure communications networks that exist within the operations/intelligence center community. When it is not being used by high-level officials, it may be made available to support other operational needs during a crisis, or for routine interagency conferencing/meetings. (S)
- 2. Capabilities. The SVTS shall support all levels of classified exchanges through TOP SECRET Sensitive Compartmented Information (SCI), to include special access programs. Each node shall provide the user a variety of secure, interactive media available for conferencing and information exchange. The system will support three simultaneous conferences with up to six nodes each. Specific capabilities shall include: (S)
 - a. Near full-motion video with associated audio
 - b. Full duplex audio conferencing capabilities
 - c. Text processing and transfer
 - d. Data transfer
 - e. Freeze frame color graphics and annotations
 - f. High resolution "gray scale" graphics
 - g. Color and_black and white printers
- 3. Policy Guidelines. (S)
 - a. References. (S)
 - (1) NSDD-95, Crisis Information and Management System: PROJECT MEDUSA (S), May 1983 (superseded by NSDD 314)
 - (2) NSDD-314, National Security Information & Situation Management System (TS), September 1988
 - (3) NSDD-276, National Security Council Interagency Process (U), June 1987

- (4) Network Security Manual (S), October 1987
- (5) Draft SVTS Network Security Officer's Security Guide (S), May 1988
- (6) Configuration Management Plan for SVTS
- Use of SVTS Within the NSC Process. The NSC policy process involves a hierarchy of formal policy deliberation groups, including the National Security Planning Group, Special Situation Group, Senior Review Group, and Policy Review Group. These groups review current national security situations (to include continuity of government issues), formulate options, recommend/decide upon courses of action, and track implementation of decisions. The SVTS is one of several vehicles for conducting these policy deliberations, especially in situations where time is critical and does not allow the physical assembly of the principals. It is also used as a vehicle for exchanging data amongst the various departments and agencies in support of the principals and the policy process. In this regard, it may be used by crisis information managers at various operations/intelligence centers to coordinate information production and support during crisis situations. It should also be available to support the larger day-to-day activities of the interagency policy process, such as meetings of interagency groups and interagency working groups that deliberate over ongoing situations, consider continuity of government activity, exchange indications and warning data and essential elements of information, and the like. (S)

c. Priorities for Use. (S)

- (1) The National Security Council and statutory advisors (as defined in the National Security Act of 1947)
- (2) Other cabinet-level officials
- (3) Senior sub-Cabinet officials
- (4) Directors of National-level intelligence agencies
- (5) Duty personnel at operations and intelligence centers
- (6) Interagency groups (e.g., SIGs, IGs)
- (7) Organizations or activities with a primary operational or intelligence mission (e.g., interagency watch committee)

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- (8) Public affairs activities during national security crises or domestic emergencies
- (9) Others (e.g., agency legislative affairs representatives) for use in conducting day-to-day activities
- (10) The White House is assigned the only preemption capability
- Scheduling. Use of the SVTS shall be scheduled through d. the Hub Activity -- first come, first served, based upon the priorities listed above. The Hub shall: maintain a real time scheduling record; regularly publish and distribute a schedule, specifying "level" of prospective conferences, as well as unreserved time not being used for servicing; and maintain a log of department and agency contacts for purposes of resolving scheduling To the maximum extent, preventive maintenance conflicts. will be scheduled during other than normal duty hours. The SVTS Project Office is charged with the responsibility of investigating the potential for automated scheduling and display of system availability to the users. **(S)**
- e. Availability. The SVTS must be available to support national level decision makers on short notice. All SVTS nodes collocated with a 24-hour operations/intelligence center, must be able to establish a conference within 15 minutes following notification. Other nodes will provide a listing of 24-hour points of contact to be maintained by the Hub Activity. (S)
- Documenting System Use. Each node shall be responsible for maintaining a log of conferences initiated by that The log shall be classified at least SECRET, and should include date, time, classification and type (not subject) of-conference (e.g. weekly intelligence watch committee, legislative affairs meeting, cabinet discussions, PRG), name of individual chairing the session, and names of participating agencies. information will be provided via periodic reports, with the frequency designated by the Crisis Management Working Group (CMWG), to the SVTS Project Office for use in analyzing system usage. The SVTS Project Office will brief the Crisis Management Working Group (CMWG) at least semiannually on system usage and other related matters. To ensure privacy, details concerning individual conferences shall not be maintained by NISSOs. Responsibility for notetaking concerning the substance of a conference shall belong to the convening agency/office. (S)

- g. Privacy. The system has been designed to accommodate information which is not only highly classified, but data that may be highly sensitive even though it is not classified. Senior officials that use the system must have reasonable assurance that there is no possibility of intrusion into their conversations with counterparts. Privacy is ensured through cryptographic, electronic, mechanical and acoustical isolation, and procedural and locational isolation methods. Recording of the video or audio portions of a conference is prohibited unless approved ahead of the event by the CMWG or its designated representative. (S)
- Configuration Control. A configuration control program shall be instituted to ensure that any changes to the Government-approved system will support the continuing integrity and security of SVTS capabilities. Any changes to system nodes, such as physical movement of consoles, cameras, printers, etc., or introduction of new communications-electronics, use of external ports, and data processing or other equipment, must be approved prior to implementing any alterations. Accordingly, any changes to the SVTS shall be approved by the CMWG (the Configuration Control Board) through the use of approved procedures and processes specified in the SVTS Configuration Management Plan, as administered by the SVTS Project Office. The Configuration Control Board shall have sole authority to authorize waivers to integrity and security standards. configuration Control board shall also review and approve all plans and concepts for operations for use of external ports. SVTS node managers must insure that any equipment tied to the system via external ports complies with integrity and security requirements. (C)
- Security Requirements. Due to the senior government level use of the SVTS and the information carried on it, it would be a prime target for hostile intelligence forces if the specifics of its existence (node configuration and system design) and operation were disclosed. Accordingly, any listing of the SVTS nodes or description of node capabilities and system description shall be classified SECRET. On the other hand, the terms SVTS and secure video teleconferencing are UNCLASSIFIED. Access to individual nodes, or the disclosure of a particular node's existence, may be provided to properly cleared individuals with valid need-to-know, without a requirement for special documentation. Personnel security access procedures will be in accordance with existing law and directives, and the SVTS (S) Network Security Manual.
 - a. The SVTS Network Security Manual shall stipulate basic security policy, requirements, and procedures to operate and maintain the SVTS network. It shall also include a security classification guide. (C)

b.	As presently configured, the SVTS is a telecommunications
	tool rather than a computer system that stores classified
	information. It shall, to the maximum possible extent,
	be governed by telecommunications security guidelines.
	System security features (e.g., log-on/passcode
	procedures and security alarms) shall be instituted in
	such a manner as to maximize user convenience and
	operational effectiveness while remaining consistent with
	security requirements of the system.
	shall be required for each node. In addition, security

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that a scheduled conference not be activated or that any ongoing conference be discontinued. (S)

c. The SVTS Network Security Officer's Security Guide shall identify specific security procedures necessary to ensure the efficient and secure operation of the SVTS. This guide will include such information as access requirements, information security guidelines, and standard operating procedures. (C)

6. Responsibilities: (S)

- a. NSC. The NSC chairs the interagency Crisis Management Working Group (CMWG) that provides policy guidance concerning all aspects of the SVTS and deals with oversight and policy coordination of the larger National Security information & Situation Management System (NSI&SMS). (S)
- b. DoD. The Department of Defense is assigned responsibility as Executive Agent for the NSI&SMS, which includes SVTS development, installation, training, logistical support, configuration management, system security/accreditation, and architectural/engineering support to system modernization. In addition, the Department shall (1) act as the Designated Approving Authority (DAA), responsible for providing approval for the operation of SVTS; and (2) designate a Network Security Officer who has the overall responsibility for monitoring all SVTS network security matters. (S)

the Hub Information System Security Officer (HISSO).
WHCA is also responsible for scheduling use and
maintenance of the system, for maintaining listings of
authorized users and after-hours points of contact, and
for documenting and reporting on system usage. (S)

d. NSO. The Network Security Officer (NSO), designated by

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the the DoD, will be responsible for: monitoring all security aspects of the network; čertifying all SVTS nodes; and providing guidance to the Hub Information System Security Officers (HISSOS) and Node Information System Security Officers (NISSOS) in implementing security guidance approved by the CMWG. The NSO shall chair the Network Certification Working Group (NCWG). (5)

- e. DCA. The Defense Communications Agency shall function as the SVTS Program Office, fulfilling those responsibilities delegated by DoD as the program Executive Agent. These include architectural and engineering support, following initial SVTS installation and acceptance, and configuration management. (S)
- Nodes. Each using department or agency shall be responsible for operating their system and for ensuring their respective nodes are capable of supporting national-level decision makers during national security crises and domestic emergencies in accordance with established procedures and security guidelines. NISSOs are responsible for physical and administrative security of their respective nodes, and for establishing procedures which will ensure proper security clearance and access of those individuals participating in SVTS Those charged with staffing the SVTS must conferences. be properly trained and provided with adequate local operating procedures to effectively support operations. Each participating department or agency shall fund maintenance, training and CMWG approved modernization to SVTS equipment or facilities. In addition, each node shall be responsible for the accreditation of their facility.

APPENDIX I

DEFINITION OF TERMS (U)

- 1. Crisis Management Working Group: An interagency group responsible for further development of the National Security Information & Situation Management System (NSI&SMS) and for strengthening interagency capabilities and procedures for the collection, coordination, transmission, and dissemination of information in support of the President and the National Security Council (NSC) interagency process. (C)
- 2. Critical Failure: Any failure of the SVTS that makes it unable to perform its required function. (C)
- 3. DAA: The Designated Approving Authority is the accreditor for the SVTS network. The Department of Defense is the DAA.
 (U)
- 4. External Ports: Electronic connections that provide the capability to integrate external video, audio, data, graphics, and other sources with the SVTS. (S)
- 5. Freeze Frame Graphics: The transmission or reception and real-time annotation of single-frame, low resolution graphic images such as line drawings, maps, and charts. (S)
- 6. High Resolution Graphics: The transmission or reception of high quality graphics material such as single frame, detailed maps, imagery, photographs, and hardcopy text. (S)
- 7. HISSO: The Hub Information System Security Officer responsible for the secure operations of the Hub facility including system maintenance and control. The White House Communications Agency (WHCA) is the HISSO. (C)

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- 9. Manual Capability: System networking achieved by manual patching of the nodes at the Hub and the electro-mechanical operation of SVTS controls by the operators, as opposed to the automated system which is connected by dedicated computer software at the Hub and touch-screen controls for operators. (C)
- 10. Multi-line voice telephone: A communications device capable of secure, dial-up, telephone quality voice transmission

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or reception. (S)

- 11. National Security Information & Situation Management System (NSI&SMS): An interagency network of people, facilities, equipment, information resources, plans, policies and procedures designed to provide for (1) support to national-level decision makers in monitoring national security situations and in considering, implementing, or reporting on any U.S. response; and (2) a rapid and continuous flow of information regarding national security situations across a spectrum from peacetime activity through reconstitution following nuclear attack. The system also supports, to the maximum possible extent, the interagency process applying to domestic emergencies, such as natural disasters, terrorism, or technological hazards that may affect US national security interests. (5)
- 12. Network Certification Working Group: An interagency group chaired by the Network Security Officer (NSO) that is responsible for security matters of the SVTS network. (U)
- 13. NSO: The Network Security Officer is appointed by the DAA and manages the implementation of the security requirements of the system. The National Security Agency is the NSO. (U)
- 14. NISSO: The Node Information System Security Officer responsible for the overall secure operations of the user node facility at his/her site, including cryptographic security and physical security. (U)
- 15. Node: All of the SVTS telecommunications and support facilities and equipment located at a user site. (U)
- 16. Privacy: The reasonable assurance that the information being transmitted in the SVTS is not accessible to other than intended recipients. (S)
- 17. Reliability: A measure of the SVTS capability to provide responsive and dependable system performance. (U)
- 18. Reliability Standards: Node and Hub reliability should allow for 30-days minimum time between preventive maintenance, and 30 days mean time between critical failures. (These standards shall be clarified in a forthcoming DCA review.) (S)
- 19. SVTS Executive Agent: The Department of Defense. (U)
- 20. SVTS Project Office: The Defense Communications Agency, responsible for program design, development and implementation for the SVTS. (U)
- 21. Video Teleconferencing: The simultaneous transmission of one and reception of five near full-motion video images and associated audio. (U)

- 22. WHCA: The White House Communications Agency. (U)
- 23. Word Processing: The transmission or reception of word processed textual material and real-time transmission or reception of text editing. (U)

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CURRENT CMWG MEMBERSHIP:

OFFICE OF THE VICE PRESIDENT: Samuel Watson Deputy Assistant to the VP (for National Security Affairs)

WHITE HOUSE MILITARY OFFICE: Colonel Charles C. Krulak, Deputy Director

DEPARTMENT OF STATE: Joseph E. Lake Director, Operations Center

DEPARTMENT OF TREASURY: Randall Fort,

Special Assistant to the Secretary (National Security)

DEPARTMENT OF DEFENSE: Shirl Axtell Director, OSD Crisis Coordination Center

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DEFENSE INTELLIGENCE AGENCY:
Chief, NMIC Operations Support Branch, JSO

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DEFENSE COMMUNICATIONS AGENCY: David T. Signori Director, Center for Command & Control and Communications Systems

DEPARTMENT OF JUSTICE: D. Jerry Rubino Director of Emergency Security Planning Justice Management Division

FEDERAL AVIATION ADMINISTRATION: Jerome Cohen Manager, Emergency Operations Staff

DEPARTMENT OF ENERGY: Captain Jay G. McDonald Director of Emergency Operations, O/ASD (Programs)

OFFICE OF MANAGEMENT AND BUDGET: Arnold E. Donahue Chief, Intelligence Branch, National Security Division, NS/IA

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CENTRAL INTELLIGENCE AGENCY:
Director, Operations Center

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CENTRAL INTELLIGENCE AGENCY: Charles E. Allen, National Intelligence Officer for Warning

ORGANIZATION OF THE JOINT CHIEFS OF STAFF: LTC Raymond W. O'Keefe, Chief, Operations Training Branch

OFFICE OF SCIENCE AND TECHNOLOGY POLICY: John O'Neil, Senior Policy Analyst, Directorate for National Security Affairs

FEDERAL BUREAU OF INVESTIGATION: Joseph Cantamessa, Jr. Supervisory Special Agent, Criminal Investigative Division

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FEDERAL EMERGENCY MANAGEMENT AGENCY: Keith R. Peterson, Chief, Readiness Division

INTELLIGENCE COMMUNITY STAFF:

Chairman, Information Handling Committee

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NATIONAL SECURITY AGENCY: 25X1 Chief, Special Projects Staff (P-303)

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DEFENSE MOBILIZATION SYSTEMS PLANNING ACTIVITY: Colonel Kenneth E. Baker, Assistant Director for Mobilization Plans

NATIONAL COMMUNICATIONS SYSTEM: Colonel Robert C. Sparks Assistant Manager for Emergency Preparedness